✓ 24/25. (New) The isolated polynucleotide of claim 23, wherein said amino acid sequence is at least 80% identical to that of SEQ ID NO:2.

✓ 25/26. (New) The isolated polynucleotide of claim 23, wherein said amino acid sequence is at least 90% identical to that of SEQ ID NO:2.

✓ 26/27. (New) The isolated polynucleotide of claim 23, wherein said amino acid sequence is at least 95% identical to that of SEQ ID NO:2.

= 27/28. (New) An isolated polynucleotide comprising the nucleotide sequence of SEQ ID NO:1. #1 vs DNA

✓ 28/29. (New) An isolated polynucleotide having an 80% identity to the polynucleotide of SEQ ID NO:1.

// 29/30. (New) An isolated polynucleotide comprising nucleotides encoding a protein with the amino acid sequence of SEQ ID NO:4. #4 vs DNA

Ⓞ 30/31. (New) An isolated polynucleotide comprising nucleotides encoding the amino acid sequence of SEQ ID NO:4.

✓ 31/32. (New) The isolated polynucleotide of claim 30, wherein said amino acid sequence is at least 80% identical to that of SEQ ID NO:2.

32 ~~33~~. (New) The isolated polynucleotide of claim 30, wherein said amino acid sequence is at least 90% identical to that of SEQ ID NO:2.

33 ~~34~~. (New) The isolated polynucleotide of claim 30, wherein said amino acid sequence is at least 95% identical to that of SEQ ID NO:2.

34 ~~35~~. (New) An isolated polynucleotide comprising the nucleotide sequence of SEQ ID NO:3.

35 ~~36~~. (New) (New) An isolated polynucleotide having an 80% identity to the polynucleotide of SEQ ID NO:3.

36 ~~37~~. (New) A vector comprising a sequence identical to that of the isolated polynucleotide of any one of claims 23-40.

37 ~~38~~. (New) A bacterium transformed with the vector of claim 37.

38 ~~39~~. (New) An isolated polynucleotide according to claim 23, wherein said polynucleotide codes for component H of the phosphotransferase system.

39 ~~40~~. (New) An isolated polynucleotide according to claim 30, wherein said polynucleotide codes for component H of the phosphotransferase system.